



BOTSWANA COMMUNICATIONS REGULATORY AUTHORITY (BOCRA) YOUTH HACKATHON

BOCRA WEBSITE DEVELOPMENT HACKATHON

OVERVIEW & PROBLEM STATEMENT

Botswana Communications Regulatory Authority (BOCRA) is mandated to regulate telecommunications, broadcasting, postal and internet services in Botswana in the public interest. The BOCRA website is the Authority's primary digital platform for accessing information, regulatory publications, public consultations, consumer protection tools, and stakeholder engagement.

The current website does not fully support BOCRA's evolving regulatory mandate and the growing digital expectations of citizens, licensees, and other stakeholders. Users experience challenges in accessing information efficiently due to limited usability, accessibility gaps, and inadequate search and navigation capabilities.

The platform also lacks seamless integration with internal systems such as licensing, complaints management, domain registry, and cybersecurity advisory services. This results in fragmented service delivery, reduced transparency, and increased reliance on manual or offline processes.

In addition, the existing digital platform has limited capabilities for real-time analytics, dashboards, automation, and advanced security controls. This constrains BOCRA's ability to deliver data-driven regulatory services, ensure compliance with modern cybersecurity and data protection standards, and scale digital services sustainably.

The core problem is the need for a modern, secure, accessible, and integrated digital platform that enables BOCRA to deliver efficient, transparent, and citizen-centric regulatory services while supporting future innovation and growth.

EXPECTED OUTCOME OF THE OVERALL DEVELOPMENT

The hackathon is expected to produce innovative, practical concepts or prototypes that demonstrate how BOCRA's website and digital services can be transformed into a modern, user-centric regulatory platform.

Proposed solutions should showcase improved user experience, accessibility, system integration, security, and performance, while enabling self-service, data-driven decision-making, and enhanced public engagement.

The outcomes should provide BOCRA with actionable insights and scalable ideas that can be further developed into a fully implemented digital platform.

ELIGIBILITY CRITERIA

- 100% Citizen Owned Companies registered with Public Procurement Regulatory Authority (PPRA) in the following categories:
- Code 120 ICT Technical Support Services sub code 01 Systems Development Services and maintenance services.
- Valid tax clearance issued by Botswana Unified Revenue Services (BURS) or its exception.

OR

- Youth between the age of 18 - 35 years old.
- 4 - 10 members within a team
- At least 2 female participants
- Should the team from this criteria win, they will be required to register a company at CIPA, along with the above codes at PPRA and Valid Tax Clearance prior to contracting.

TEAM COMPOSITION AND SKILL SETS

- Front-end Developers
- Back-end Developers
- UI/UX Designers

Skills Required:

- Front-end Developer
- Backend Developer
- DevOps
- Business, Technical Analysts
- Project Management

HACKATHON DURATION

The hackathon event will be running for one week, with teams expected to have submitted their best work by the end of day **27 March 2026, Time 17:00HRS CAT.**

Hackathon Activity	Timeline
Registration	18 March 2026 (0800hrs - 1700hrs)
Hacking	20 – 27 March 2026
Judging	28 – 29 March 2026
Presentation of Top 5	31 March 2026
Announcement of results and prize giving	31 March 2026

HACKATHON BRIEFING

The briefing will take place on the **23 March 2026** at **0900HRS** following the commencement of hacking. Qualified teams are expected to receive an invitation to the briefing via Microsoft Teams on the **20 March 2026.**

PRIZES

Team	Prize Detail
Winner	Development Contract at P450,000 (VAT Inc) and three-year maintenance at P150,000 (VAT Inc) annually 20Mbps LTE internet service
First Runner-up	P30,000 20Mbps LTE internet service
Second Runner-up	P20,000 20Mbps LTE internet service
Third Runner-up	P10,000 20Mbps LTE internet service
Fourth Runner-up	P5,000 20Mbps LTE internet service

SUBMISSIONS

Primary submission will be through the BDIH Skillsranker (<https://skillsranker.bih.co.bw/>) platform by way of attaching and uploading files and sharing the link to your preferred cloud drive. Refer to item 12 from FAQs on how to package the submission.

Primary submission should be followed by an email submission to: hackathon@bih.co.bw by attaching a link to the preferred cloud drive.

WHAT SHOULD I SUBMIT?

Technical proposal clearly detailing:

- Motivation,
- Solution design and architecture,
- Software stack,
- Lessons learned during the process.

There should be ample evidence of a good research process that has gone into the development of the product.

The technical proposal should not be more than 10 pages.

SUBMISSION FORMAT

E.g.

- URL link to the solution (Mandatory).
- Walkthrough video of your solution (Mandatory).
- Installation/executable files for all platforms.
- Source Code (Mandatory).
- Include ReadMe file explaining how to run the files and tools to be used.

File size for submission: Maximum allowable file size 150MB